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East 7/7/04

L Number	Hits	Search Text	DB	Time stamp
-	3	"10145145"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:17
-	0	2003023251.URPN.	USPAT	2004/07/06 07:48
-	1	2003-268585.NRAN.	DERWENT	2004/07/06 07:48
-	1	"19859897"	USPAT;	2004/07/06 08:18
-	0	200038967.URPN.	US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:17
-	1	2000-490807.NRAN.	USPAT	2004/07/06 08:20
-	1	6585241.pn.	USPAT	2004/07/06 08:18
-	0	6585241.URPN.	USPAT	2004/07/06 08:18
-	15	("2322879" "2356962" "2482488" "2906523" "3204911" "3270998" "3883101" "4190227" "4586689" "4696626" "4784585" "5132584" "5219037" "5342179" "6079698").PN.	USPAT	2004/07/06 08:18
-	16	(US-6585241-\$ or US-6079698-\$ or US-5342179-\$ or US-5219037-\$ or US-5132584-\$ or US-4784585-\$ or US-4696626-\$ or US-4586689-\$ or US-4190227-\$ or US-3883101-\$ or US-3270998-\$ or US-3204911-\$ or US-2906523-\$ or US-2482488-\$ or US-2356962-\$ or US-2322879-\$).did.	USPAT	2004/07/06 08:19
-	1	2003-268585.NRAN.	DERWENT	2004/07/06 08:44
-	7	vibration near4 (generator or generating) same compressor same refrigerator	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:53

	148	("4884464" "4993772" "5785298" "4294409" "4470811" "4533897" "4541259" "4934972" "4940120" "4944692" "4986251" "5349984" "5388615" "5389885" "5433456" "5534674" "5626500" "5791580" "5836803" "5860516" "5980335" "5980337" "6117312" "6151780" "6219920" "6219920" "4247289" "4283928" "4319651" "4335287" "4370528" "4382242" "4384405" "4407538" "4410228" "4423841" "4447232" "4447077" "4449455" "4454398" "4478313" "4478137" "4492413" "4516303" "4557728" "4611844" "4616296" "4756297" "4763430" "4763637").pn. ("4765557" "4768965" "4803316" "4814563" "4814739" "4822102" "4828329" "4837975" "4850328" "4854479" "4872734" "4901475" "4918582" "4937548" "4947822" "4950136" "4955761" "4974987"	USPAT; US-PGPUB	2004/07/07 07:43
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Search History	7/7/04 10:49:18 AM	Page 4	C:\APPSS\east\workspaces\10809769.wsp	

	531	Athanasiou or Athanasiou	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:53
	320	Athanasiou.in. or Athanasiou.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:53
	1	(Athanasiou.in. or Athanasiou.in.) and (vibration or vibrator) same vibration same spring	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:54
	6	(Athanasiou.in. or Athanasiou.in.) and (vibration or vibrator) same vibration	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 10:43
	2699	vibration with different near3 frequency	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/07 08:12
	415	vibration with different near3 frequency with damp\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/07 08:12
	62	vibration with different near3 frequency with damp\$6 with (rubber or elastom\$5 or spring)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/07 08:13
	0	vibration adj2 generator with different near3 frequency with damp\$6 with (rubber or elastom\$5 or spring)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/07 08:13
	0	vibration adj2 generat\$5 with different near3 frequency with damp\$6 with (rubber or elastom\$5 or spring)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/07 08:14
	1	vibration near4 generat\$5 with different near3 frequency with damp\$6 with (rubber or elastom\$5 or spring)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/07 08:14
	21	vibration near4 generat\$5 with different near3 frequency with damp\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/07 08:14
	14	5431261.URPN.	USPAT	2004/07/07 08:25
	7	("3566993" "3701499" "4483425" "4546960" "4869474" "5174552" "5219143").PN.	USPAT	2004/07/07 08:25

Butler, Douglas

PLUS

7/7/04

From: PLUS
Sent: Monday, June 21, 2004 2:09 PM
To: Butler, Douglas
Subject: PLUS Results for 10801959

Here are the PLUS search results for 10801959.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10801959_QUAL.txt



10801959_LIST.txt



10801959_WEST.txt



10801959_EAST.txt



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10801959_CLS.txt



10801959_CLSTITLES.txt



10801959_WDS.txt

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10801959_LIST

10801959

PLUS Search Results for S/N 10801959, Searched June 21, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10801959_CLS

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10801959 on June 21, 2004

Original Classifications

3 30/43.92
3 124/67
3 324/761
2 49/175
2 92/63
2 200/302.3
2 320/112
2 324/754
2 385/78
2 474/110
2 604/134
2 606/185

Cross-Reference Classifications

4 30/346.51
2 33/755
2 49/449
2 70/432
2 92/130A
2 123/198DB
2 124/52
2 200/437
2 200/557
2 222/95
2 251/337
2 324/755
2 337/66
2 385/55
2 385/60
2 385/77
2 385/84
2 439/74
2 474/138
2 600/583
2 604/214

Combined Classifications

4 30/346.51
3 30/43.92
3 124/67
3 200/302.3
3 324/754
3 324/761
2 33/755
2 49/175
2 49/449
2 70/432
2 92/130A
2 92/63
2 123/198DB
2 124/41.1
2 124/52
2 137/625.43
2 177/229

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2 200/437
2 200/557
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2 251/129.15
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2 385/77
2 385/78
2 385/84
2 439/74
2 474/110
2 474/138
2 600/583
2 604/134
2 604/214
2 606/185

10801959_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10801959 on June 21, 2004

- 4 30/346.51 (0 OR, 4 XR)
Class 030 : CUTLERY
30/346 BLADES
30/346.5 .Razor blade
30/346.51 ..Cutting couple element
- 3 30/43.92 (3 OR, 0 XR)
Class 030 : CUTLERY
30/32 RAZORS
30/43 .With cooperating shearing blades
30/43.91 ..Reciprocating inner blade
30/43.92 ...And stationary outer blade
- 3 124/67 (3 OR, 0 XR)
Class 124 : MECHANICAL GUNS AND PROJECTORS
124/56 FLUID PRESSURE
124/63 .Provided by movement of user-actuated,
projector-mounted pressure member
124/64 ..To create surge of pressure
124/65 ...By plunger moving within cylinder
124/66By spring-driven plunger
124/67Within cylinder having diameter larger
than projector barrel
- 3 200/302.3 (2 OR, 1 XR)
Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
200/237 ELECTRIC SWITCH DETAILS
200/293 .Cases and bases
200/302.1 ..Dust, dirt, or moisture excluding
200/302.3 ...Seal for rocker or lever actuator
- 3 324/754 (2 OR, 1 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
ELECTRIC COMPONENTS
324/537 .Of individual circuit component or element
324/754 ..With probe elements
- 3 324/761 (3 OR, 0 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
ELECTRIC COMPONENTS
324/537 .Of individual circuit component or element
324/754 ..With probe elements
324/761 ...Pin
- 2 33/755 (0 OR, 2 XR)
Class 033 : GEOMETRICAL INSTRUMENTS
33/700 DISTANCE MEASURING
33/755 .By flexible tape
- 2 49/175 (2 OR, 0 XR)
Class 049 : MOVABLE OR REMOVABLE CLOSURES
49/149 MOUNTED FOR OPTIONAL MOVEMENTS
49/174 .Edgewise retractable bearing acting between

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closure and portal frame

49/175 . . Towards closure

2 49/449 (0 OR, 2 XR)
 Class 049 : MOVABLE OR REMOVABLE CLOSURES
 49/404 WITH MEANS MOUNTING CLOSURE FOR RECIPROCALATION

 49/449 .With latch or lock

2 70/432 (0 OR, 2 XR)
 Class 070 : LOCKS
 70/431 PARTS, ATTACHMENTS, ACCESSORIES AND ADJUNCTS
 70/432 .Condition indicators

2 92/130A (0 OR, 2 XR)
 Class 092 : EXPANSIBLE CHAMBER DEVICES
 92/130R WITH SEPARATE BIASING MEANS FOR WORKING MEMBER

 92/130A .Bias normally held inoperative by fluid pressure

2 92/63 (2 OR, 0 XR)
 Class 092 : EXPANSIBLE CHAMBER DEVICES
 92/61 RELATIVELY MOVABLE WORKING MEMBERS
 92/62 .First working member moves second coaxial working member through separating abutment surfaces
 92/63 ..With separate biasing means for a working member

2 123/198DB (0 OR, 2 XR)
 Class 123 : INTERNAL-COMBUSTION ENGINES
 123/198R ACCESSORIES
 123/198DB .Fuel cut-off

2 124/41.1 (1 OR, 1 XR)
 Class 124 : MECHANICAL GUNS AND PROJECTORS
 124/80 ELEMENT
 124/41.1 .Projectile holder or carrier

2 124/52 (0 OR, 2 XR)
 Class 124 : MECHANICAL GUNS AND PROJECTORS
 124/80 ELEMENT
 124/45 .Magazine
 124/51.1 ..Mechanical projectile feed
 124/52 ...Spring

2 137/625.43 (1 OR, 1 XR)
 Class 137 : FLUID HANDLING
 137/561R SYSTEMS
 137/625 .Multi-way valve unit
 137/625.43 ..Four port reversing valves

2 177/229 (1 OR, 1 XR)
 Class 177 : WEIGHING SCALES
 177/201 SELF-POSITIONING
 177/225 .Spring
 177/229 ..Cantilever

2 200/437 (0 OR, 2 XR)

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Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
200/402 SNAP
200/405 .Double snap
200/431 ..Cam or wedge release
200/437 ...Spring biased element slides over pivoted element

2 200/557 (0 OR, 2 XR)
Class 200 : ELECTRICITY: CIRCUIT MAKERS AND BREAKERS
200/502 SOLID CONTACT
200/553 .Rocking actuator (e.g., rocker, lever)
200/557 ..Actuator biasing mechanism

2 222/95 (0 OR, 2 XR)
Class 222 : DISPENSING
222/92 COLLAPSIBLE WALL-TYPE CONTAINER
222/95 .With wall-collapsing means

2 251/129.15 (1 OR, 1 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/129.01 ELECTRICALLY ACTUATED VALVE
251/129.15 .Including solenoid

2 251/337 (0 OR, 2 XR)
Class 251 : VALVES AND VALVE ACTUATION
251/336 BIASED VALVE
251/337 .Springs and spring retainers

2 320/112 (2 OR, 0 XR)
Class 320 : ELECTRICITY: BATTERY OR CAPACITOR CHARGING
OR DISCHARGING
320/107 CELL OR BATTERY CHARGER STRUCTURE
320/112 .For battery pack

2 324/755 (0 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/500 FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
ELECTRIC COMPONENTS
324/537 .Of individual circuit component or element
324/754 ..With probe elements
324/755 ...Internal of or on support for device under
test (DUT)

2 337/66 (0 OR, 2 XR)
Class 337 : ELECTRICITY: ELECTROTHERMALLY OR THERMALLY
ACTUATED SWITCHES
337/14 ELECTROTHERMALLY ACTUATED SWITCHES
337/36 .With bimetallic elements (i.e., motion takes
place in a plane at right angles to its major axis)
337/37 ..With manual or other mechanical contact
controlling means
337/52 ...With spring or other energy storage device

337/62Reciprocating or slidable motion device
337/66With push-button actuating means

2 385/55 (0 OR, 2 XR)
Class 385 : OPTICAL WAVEGUIDES
385/53 WITH DISENGAGABLE MECHANICAL CONNECTOR

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- 385/55 .Structure surrounding optical fiber-to-fiber connection
- 2 385/60 (0 OR, 2 XR)
Class 385 : OPTICAL WAVEGUIDES
385/53 WITH DISENGAGABLE MECHANICAL CONNECTOR
385/55 .Structure surrounding optical fiber-to-fiber connection
385/56 ..Multi-part (e.g., two pieces screwed together or bayonet latched)
385/58 ...With additional structure at or immediately surrounding each optical fiber end face
385/60Fiber end held in ferrule
- 2 385/77 (0 OR, 2 XR)
Class 385 : OPTICAL WAVEGUIDES
385/53 WITH DISENGAGABLE MECHANICAL CONNECTOR
385/76 .Optical fiber/optical fiber cable termination structure
385/77 ..At or immediately surrounding an optical fiber end face
- 2 385/78 (2 OR, 0 XR)
Class 385 : OPTICAL WAVEGUIDES
385/53 WITH DISENGAGABLE MECHANICAL CONNECTOR
385/76 .Optical fiber/optical fiber cable termination structure
385/77 ..At or immediately surrounding an optical fiber end face
385/78Fiber end held in ferrule
- 2 385/84 (0 OR, 2 XR)
Class 385 : OPTICAL WAVEGUIDES
385/53 WITH DISENGAGABLE MECHANICAL CONNECTOR
385/76 .Optical fiber/optical fiber cable termination structure
385/77 ..At or immediately surrounding an optical fiber end face
385/78Fiber end held in ferrule
385/84Tube-type holding structure
- 2 439/74 (0 OR, 2 XR)
Class 439 : ELECTRICAL CONNECTORS
439/55 PREFORMED PANEL CIRCUIT ARRANGEMENT, E.G., PCB, ICM, DIP, CHIP, WAFER, ETC.
439/65 .With provision to conduct electricity from panel circuit to another panel circuit
439/74 ..Overlying second preformed panel circuit, both adapted to be electrically connected
- 2 474/110 (2 OR, 0 XR)
Class 474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR COMPONENTS
474/101 MEANS FOR ADJUSTING BELT TENSION OR FOR SHIFTING BELT, PULLEY OR GUIDE ROLL
474/110 .Tension adjuster or shifter driven by electrical or fluid motor
- 2 474/138 (0 OR, 2 XR)

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Class 474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR
COMPONENTS

474/101 MEANS FOR ADJUSTING BELT TENSION OR FOR
SHIFTING BELT, PULLEY OR GUIDE ROLL

474/136 .Guide roll mounted for movement of its axis
along rectilineal path to tension belt

474/138 ..Guide roll spring biased in belt-tensioning
direction

2 600/583 (0 OR, 2 XR)

Class 600 : SURGERY

600/300 DIAGNOSTIC TESTING

600/573 .Liquid collection

600/583 ..Collector combined with lancet

2 604/134 (2 OR, 0 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM
BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,
IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed
from body orifice, or inserted or removed subcutaneous
ly

604/93.01 ..Material introduced or removed through
conduit, holder, or implantable reservoir inserted in b
ody

604/131 ...Treating material forced into or out of body
by self-acting fluid pressure, motor-driven, or mechanic
al

604/134Material impelled by spring

2 604/214 (0 OR, 2 XR)

Class 604 : SURGERY

604/19 MEANS FOR INTRODUCING OR REMOVING MATERIAL FROM
BODY FOR THERAPEUTIC PURPOSES (E.G., MEDICATING,
IRRIGATING, ASPIRATING, ETC.)

604/48 .Treating material introduced into or removed
from body orifice, or inserted or removed subcutaneo
usly

604/93.01 ..Material introduced or removed through
conduit, holder, or implantable reservoir inserted in
body

604/181 ...Means moved by person to inject or remove
fluent material to or from body inserted conduit, hold
er,

604/187Injector or aspirator syringe supported
only by person during use (e.g., hand held hypodermic
syringe, douche tube with forced injection, etc.)

604/212Having collapsible material reservoir
(e.g., squeeze bulb, etc.)

604/214Mechanical means (e.g., piston, clamp,
etc.) moved to collapse reservoir

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2 606/185 (2 OR, 0 XR)
Class 606 : SURGERY
606/1 INSTRUMENTS
606/167 .Cutting, puncturing or piercing
606/185 ..Puncturing or piercing